

REMARKS

This Amendment is responsive to the Office Action of July 25, 2008. Reconsideration and allowance of claims 1-15 are requested.

The Office Action

Claims 1-5 and 11-13 stand rejected under 35 U.S.C. § 112, second paragraph.

Claims 1 and 11 stand rejected under 35 U.S.C. § 102 as being anticipated by Keilman (US 6,231,516).

Claim 6 stands rejected under 35 U.S.C. § 103 as being unpatentable over Vitek (US 6,735,461) in view of Keilman.

Claims 2-5, 7-10, 12, and 13 were indicated as containing allowable subject matter.

Claim 14 was withdrawn from consideration.

The Claims Meet the Requirements of 35 U.S.C. § 112

The Examiner asserts that claims 1 and 11 fail to correspond in scope with that which the applicant(s) regards as the invention and states that she draws that conclusion based on the Appeal Brief of April 3, 2008. Specifically, she asserts that “applicant has stated that the transmission line used in an MR system as an antenna for transmitting or receiving MR signals ...” The Examiner did not extend the courtesy of citing to any particular portion of the Appeal Brief where she asserts that such a statement was made.

The undersigned has completely reviewed the Appeal Brief and can find no such statement. Rather, the first paragraph of page 8 clearly states that claim 1 is directed to a transmission cable. The second paragraph of page 8 does reference an RF antenna, but the RF antenna in question is the RF antenna **30** of Keilman, particularly wires **233, 233A**.

The undersigned directs the Examiner to page 6 of the present application, where the fact that the transmission cable is not required to be part of an RF coil, such as the RF coil **10** of Figure 2 of the present application, is disclosed. Page 6 gives examples of appropriate cables including the feed-through cable **48** (line 1); the supply cables **46, 48** (line 5); connection leads **36, 38** (line 7); and supply lines **40, 42** (line 8). Other examples include supply cables **62, 64** (line 17). Because

the present application discloses numerous examples of transmission cables which are not a part of the RF coil 10, it is submitted that the Examiner's assertion that the transmission line must be used as an antenna is not correct.

Accordingly, it is submitted that all claims comply with the requirements of 35 U.S.C. § 112.

**The Claims Distinguish Patentably and Unobviously
Over The References of Record**

Claim 1 calls for a transmission cable. By distinction, Keilman is directed to an instrument stent which, particularly in the embodiment of Figures 19A-19D referenced by the Examiner, communicates wirelessly, i.e., without a transmission line or cable. It is submitted that Keilman is not analogous prior art.

Accordingly, it is submitted that **claim 1 and claims 2, 3, 5, and 14 dependent therefrom** are not anticipated by Keilman.

Claim 2, which was indicated as containing allowable subject matter, has been placed in independent form.

Accordingly, it is submitted that **claim 2 and claim 3 dependent therefrom** are now in condition for allowance.

Claim 4, which was indicated as containing allowable subject matter, has been placed in form.

Accordingly, it is submitted that **claim 4** is now in condition for allowance.

Claim 6 calls for a magnetic resonance apparatus that includes a magnet system, an RF coil, and a plurality of transmission cables. Vitek shows that magnetic resonance systems are known. However, Keilman, contrary to the Examiner's assertions, does not disclose a transmission cable as set forth in claim 6. Rather, the portion of Keilman referenced by the Examiner communicates wirelessly. Accordingly, it is submitted that **claim 6 and claims 7-10 dependent therefrom** distinguish patentably and unobviously over the references of record.

Claim 11 calls for a transmission cable. By contrast, the loop antenna 30, 233A of Keilman is not broken into a plurality of segments which are coupled by couplers.

Accordingly, it is submitted that **claim 11 and claims 12, 13, and 15 dependent therefrom** are not anticipated by Keilman.

Claim 14 Should Be Examined and Allowed

Claim 14 has been amended to depend from elected claim 1. Accordingly, it is submitted that **claim 14** should be examined and allowed with claim 1.

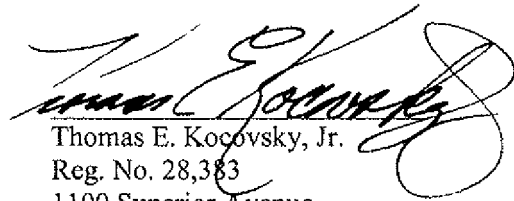
CONCLUSION

For at least the reasons set forth above, it is submitted that claims 1-15 are not anticipated by and distinguish patentably over the references of record. An early allowance of all claims is requested.

In the event the Examiner considers personal contact advantageous to the disposition of this case, the Examiner is requested to telephone Thomas Kocovsky at (216) 861-5582.

Respectfully submitted,

Fay Sharpe LLP

A handwritten signature in black ink, appearing to read "Thomas E. Kocovsky, Jr.", is written over the printed name and address.

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